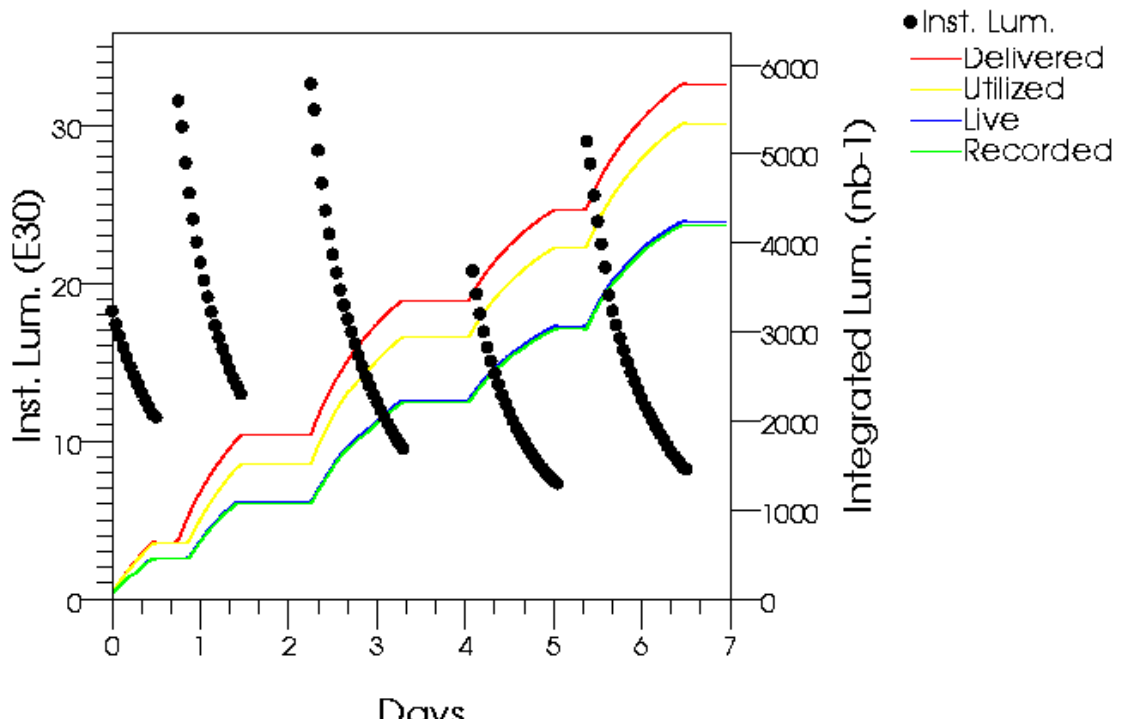


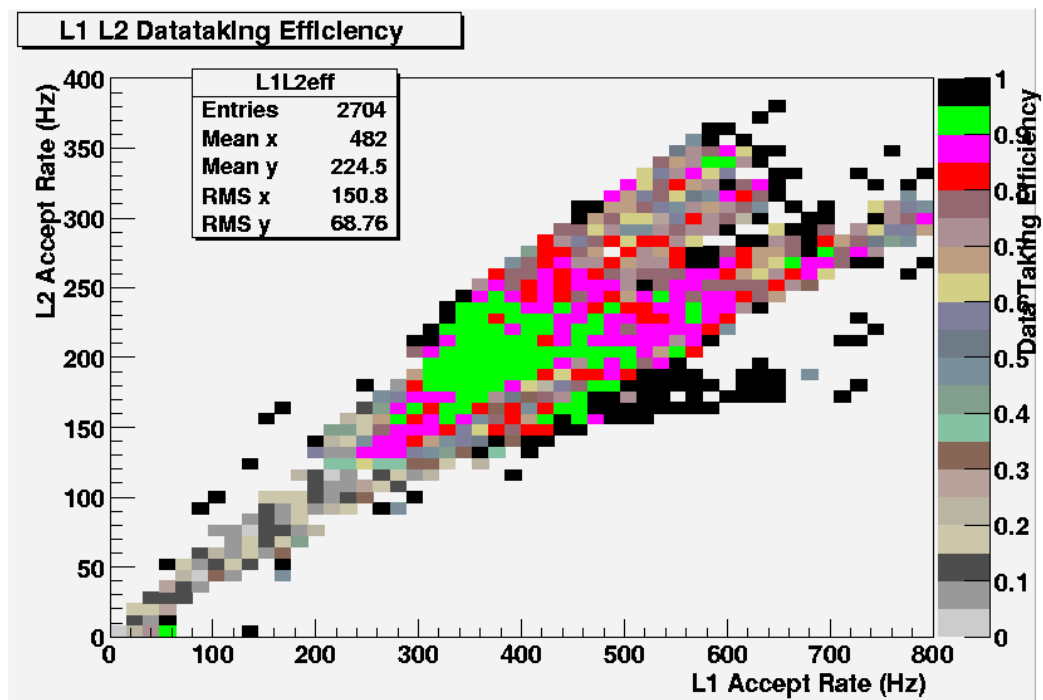


# Online Status

- Steadily improving data taking efficiencies
  - latest report for week of 11/11-11/17
    - 10.4 M events in 103 hours of store
    - 28 Hz avg in store, 17 Hz avg real time
    - 4.2 pb<sup>-1</sup> recorded
    - 72.5% efficiency
    - initial luminosities typically 3E31
- Inefficiency mostly deadtime incurred to reset readout crates
  - Muon readout crates losing sync, or dropping input to L2
  - Occasional CFT crate problem, where sequencer firmware bug makes it go out of sync when handling monitoring query
  - Downtime ~5% from various problems



D0 data taking efficiency vs Level 1 and Level 2 trigger rates



(Slides from Dmitri's All Experimenter Mtg talk)



# Online Status

- Trigger list changed to global\_CMT-9.30 on 11/15
  - L1:L2:L3 = 500:200-300:50 Hz guidelines
  - Have seen 700:350:50 Hz, but efficiency drops because of readout problems
  - L3 currently using p12.06
    - Only about 30% utilization at these rates
  - Current logging rates are well below maximum possible
    - As set by trigger board
    - Don't expect to increase until higher luminosities
- Examines
  - Using p12.04 or p13.02